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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,915	08/26/2003	Arlen L. Roesner	200206781-1	2442

22879 7590 06/02/2005

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EXAMINER	
EDWARDS, ANTHONY Q	
ART UNIT	**PAPER NUMBER**
2835	

DATE MAILED: 06/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

EJL

Office Action Summary	Application No.	Applicant(s)	
	10/647,915	ROESNER, ARLEN L.	
	Examiner	Art Unit	
	Anthony Q. Edwards	2835	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *18 February 2005*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *27 August 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,481,431 to Siahpolo et al. ("Siahpolo" hereinafter). Referring to claim 1, Siahpolo discloses a drive loading system comprising a chassis (60) adapted to receive at least one drive (6), and a carrier (10/12) adapted to support insertion of the drive into the chassis in a first direction (↓), see Figs 8A-8B and col. 5, lines 36-58, the carrier (10/12) further adapted to move the drive (6) in a second direction (←), see Figs. 8C-8D and col. 6, lines 7-19, transversely (i.e., "at a right angle" or "crosswise orientation") relative to the first direction to engage the drive (6) with a socket (69), see Fig. 7. Siahpolo also discloses the carrier (10/12) adapted to support insertion of the drive (6) into the chassis (60) in a transverse direction coplanar with the first and second directions. The plane of movement in the first and second directions is along the face of the sheet of the drawings shown in Figs. 8A-8D. This movement is coplanar with the transverse orientation (i.e., right angle or crosswise) insertion of the drive into the chassis, since it's movement is also along the face of the sheet of the drawings shown in Figs. 8A-8D.

Referring to claim 2, Siahpolo discloses a drive loading system, further comprising a guide (80) adapted to align the drive (6) with the socket (69). See col. 6, lines 20-24.

Referring to claim 3, Siahpolo discloses a drive loading system, further comprising a guide (80) adapted to align the drive (6) with the socket (69) before movement of the drive in the second direction. See col. 5, lines 47-57.

Referring to claim 4, Siahpolo discloses a drive loading system, wherein the carrier (10/12) comprises an actuator (40) adapted to move the drive (6) in the second direction. See col. 6, lines 7-19.

Referring to claim 5, Siahpolo discloses a drive loading system, wherein the carrier (10/12) comprises an actuator (40) adapted to disengage the drive (6) from the socket (69). See col. 6, lines 34-42.

Referring to claim 6, Siahpolo discloses a drive loading system, wherein the carrier (10/12) comprises an actuator (40) adapted to cooperate with the chassis (60) to move the drive (6) in the second direction. See Figs. 8C-8D.

Referring to claim 7, Siahpolo discloses a drive loading system, wherein the first direction (i.e., vertical) is perpendicular to the second direction (i.e., horizontal). See Figs. 8A-8D.

Referring to claim 8, Siahpolo discloses a drive loading system, wherein the carrier (10/12) is adapted to support the drive (6) in the chassis (60) after engagement of the drive with the socket (69). See col. 6, lines 24-33.

Referring to claim 9, Siahpolo discloses a drive loading system, wherein the chassis (60) comprises a guide rail (74) adapted to restrict movement of the drive (6) in the second direction until alignment of the drive with the socket (69). See col. 5, lines 47-54.

Referring to claim 10, Siahpolo discloses a drive loading system, wherein the carrier (10/12) comprises an actuator (40) adapted to move the drive (6) in the second direction after insertion of the carrier into the chassis a predetermined distance. See Figs. 8A-8B.

Referring to claim 11, Siahpolo discloses a drive loading system, comprising means for receiving (74) a drive (6) in a first direction (see Figs. 8A-8B), and means for supporting (80) insertion of the drive (6) into the receiving means (74) in the first direction (i.e., vertical direction), the supporting means (80) adapted to move the drive in a second direction (i.e., horizontal direction) transversely relative to the first direction to engage the drive (6) with a socket (69), the supporting means adapted to support insertion of the drive into the chassis in a transverse orientation coplanar with the first and second directions. See Figs. 8A-8D.

Referring to claim 12, Siahpolo discloses a drive loading system, further comprising means for aligning (86) the drive (6) with the socket (69). See col. 6, lines 20-24.

Referring to claim 13, Siahpolo discloses a drive loading system, further comprising means to restrict movement (36) of the drive (6) in the second direction until insertion of the drive a predetermined distance into the receiving means (74). See col. 6, lines 20-24.

Referring to claim 14, Siahpolo discloses a drive loading system, wherein the supporting means (80) comprises means for disengaging the drive from the socket. See col. 6, lines 34-42.

Referring to claim 15, Siahpolo discloses a drive carrier comprising at least one support member (24) adapted to support insertion of a drive (6) into a chassis (60) in a first direction (i.e., vertical direction), and an actuator (40) coupled to the at least one support member (24), the actuator adapted to move the drive (6) in a second direction (i.e., horizontal direction) transversely relative to the first direction to engage a socket (69) within the chassis, the at least

one support member adapted to support insertion of the drive into the chassis in a transverse orientation coplanar with the first and second directions. See Figs. 7 and 8A-8D.

Referring to claim 16, Siahpolo discloses a drive carrier, wherein the actuator (40) is further adapted to move the drive (6) in a direction opposite the second direction to disengage the drive from the socket. See col. 6, lines 34-42.

Referring to claim 17, Siahpolo discloses a drive carrier, wherein the second direction is perpendicular to the first direction. See Figs. 8A-8D.

Referring to claim 18, Siahpolo discloses a drive carrier, further comprising a locking element (34) adapted to releasably secure the actuator (40). See Fig. 2 and col. 6, lines 24-33.

Referring to claim 19, Siahpolo discloses a drive carrier, wherein the actuator (40) is adapted to cooperate with a portion (82) of the chassis (60) to move the drive in the second direction. See Figs. 7 and 8B.

Referring to claim 20, Siahpolo discloses a drive carrier, wherein the actuator (40) comprises an arm pivotally coupled to the at least one support member (24) and adapted to engage the drive (6) to move the drive in the second direction. See Figs. 8A-8D.

Response to Arguments

Applicant's arguments filed February 18, 2005 have been fully considered but they are not persuasive. Regarding independent claims 1, 11 and 15, examiner disagrees with applicant's contention that Siahpolo does not disclose or even suggest a carrier/support member adapted to support insertion of the drive into the chassis in a first direction and move the drive in a second direction transversely relative to the first direction, since the adjective "transversely" describes right angle or crosswise orientation, and this movement is clearly shown in Figs. 8A-8B.

Likewise, Siapolo also discloses supporting insertion of the drive into the chassis in a transverse orientation coplanar with the first and second directions, since both movements are in the plane consisting of the face of the sheet of the drawings.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Q. Edwards whose telephone number is 571-272-2042. The examiner can normally be reached on M-F (7:30-3:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on 571-272-2800, ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

May 31, 2005
aqe

LYNN FEILD
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